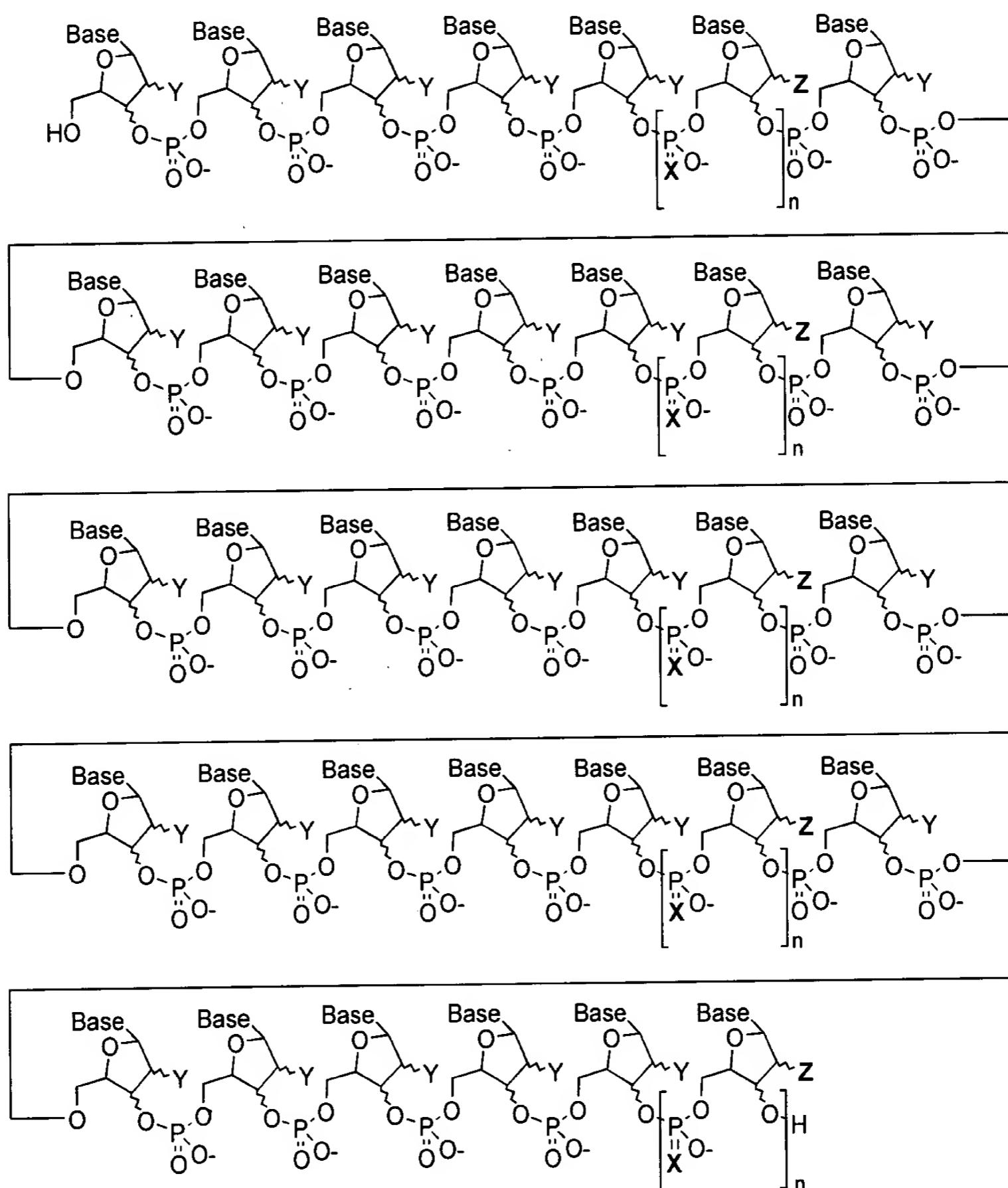


FIGURE 1

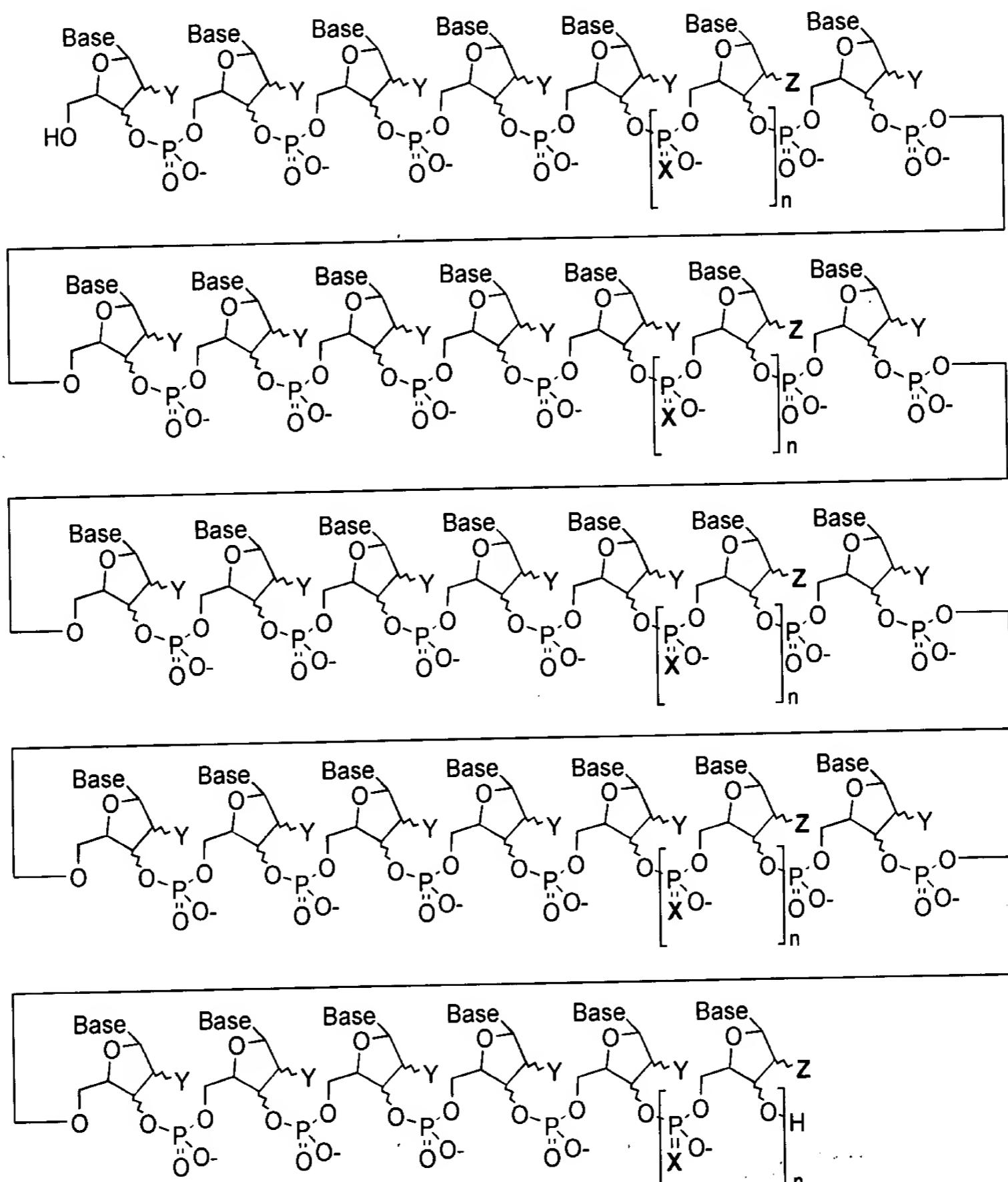
Journal of the American Chemical Society
1966, 88, 1122-1129



araCpO-2'OMeCpS 1 $X=S$ $Y=\beta-OH$ $Z=\alpha-OMe$ Base = Cytosine $n=1,2,3,4$

FIGURE 2

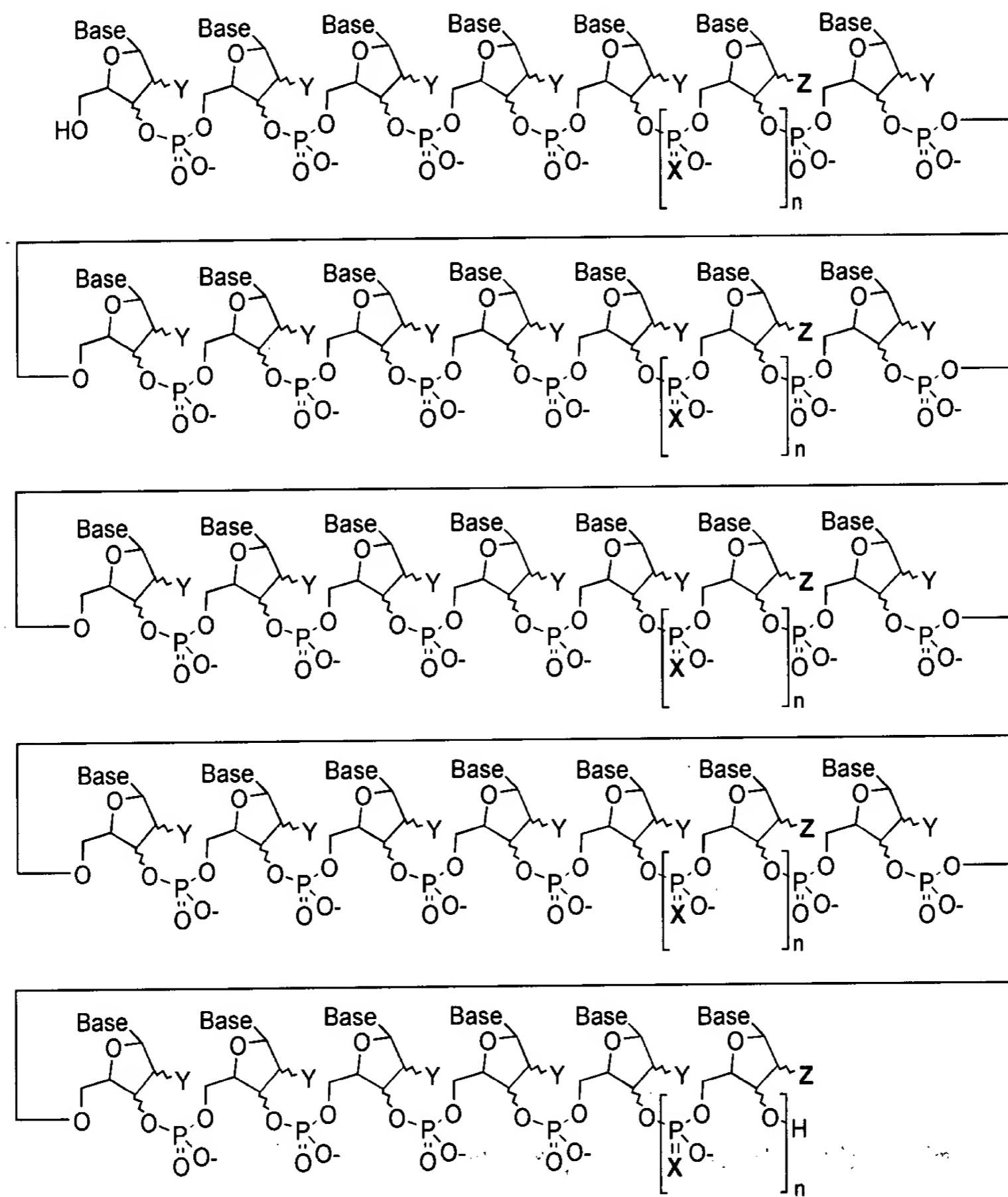
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araCpO-2'OMeCpO 2 $\text{X}=\text{O}$ $\text{Y}=\beta\text{-OH}$ $\text{Z}=\alpha\text{-OMe}$ Base = Cytosine $n=1,2,3,4$

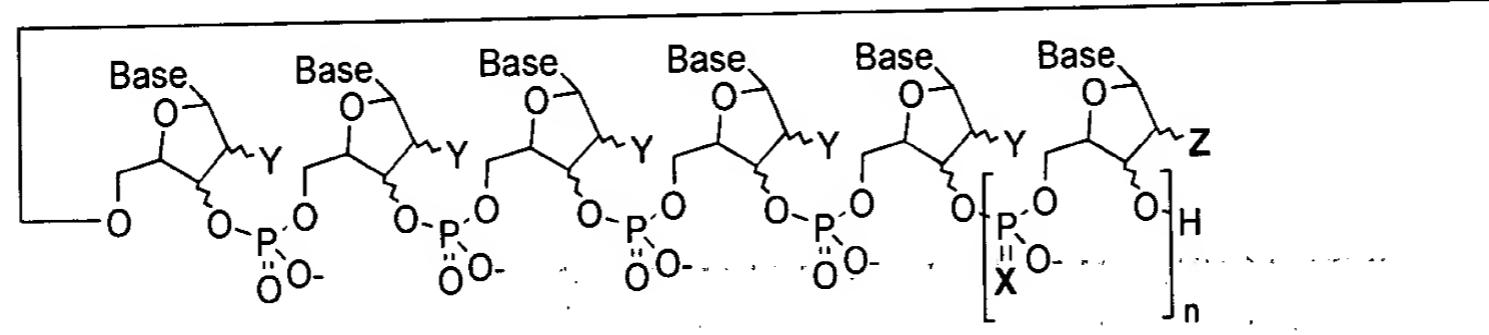
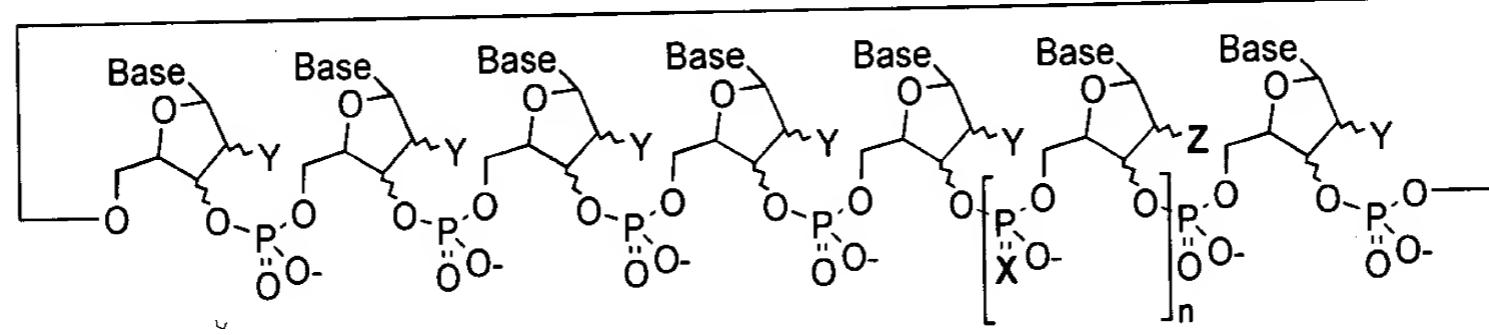
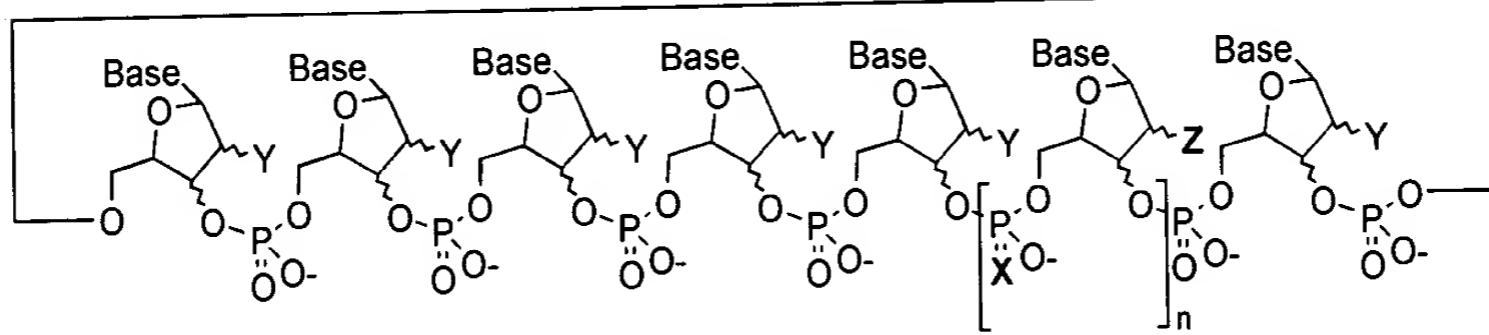
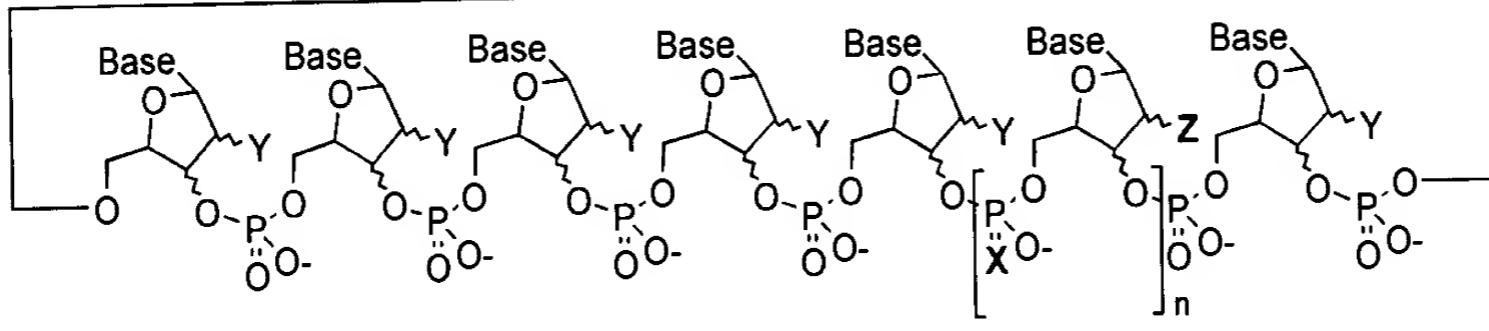
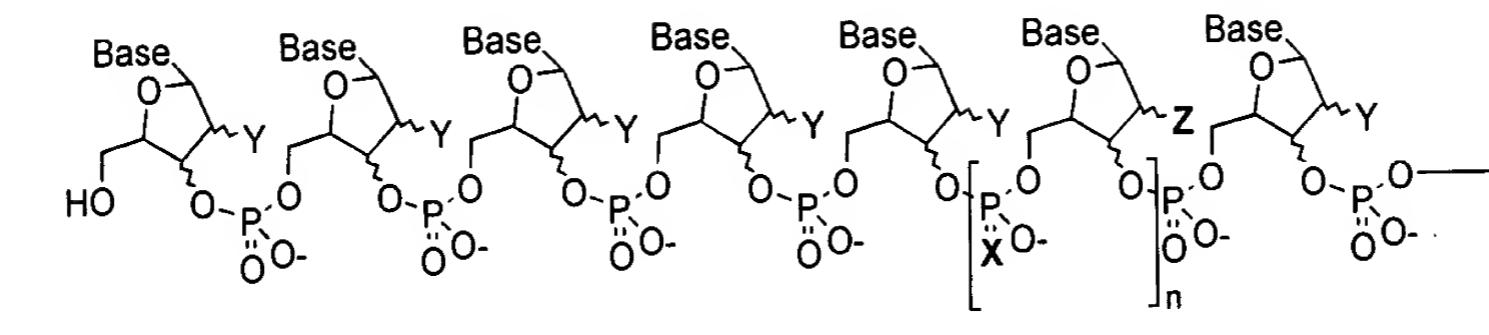
FIGURE 3

araCpO-2'OmearaCpO 3



araCpO-2'OmearaCpO 3 X = O Y = β -OH Z = β -OMe Base = Cytosine n = 1,2,3,4

FIGURE 4



2Cl_nApO-2Cl_nApS 4 X = S Y = H Z = H Base = 2-Cl-Adenine n = 1,2,3,4

FIGURE 5

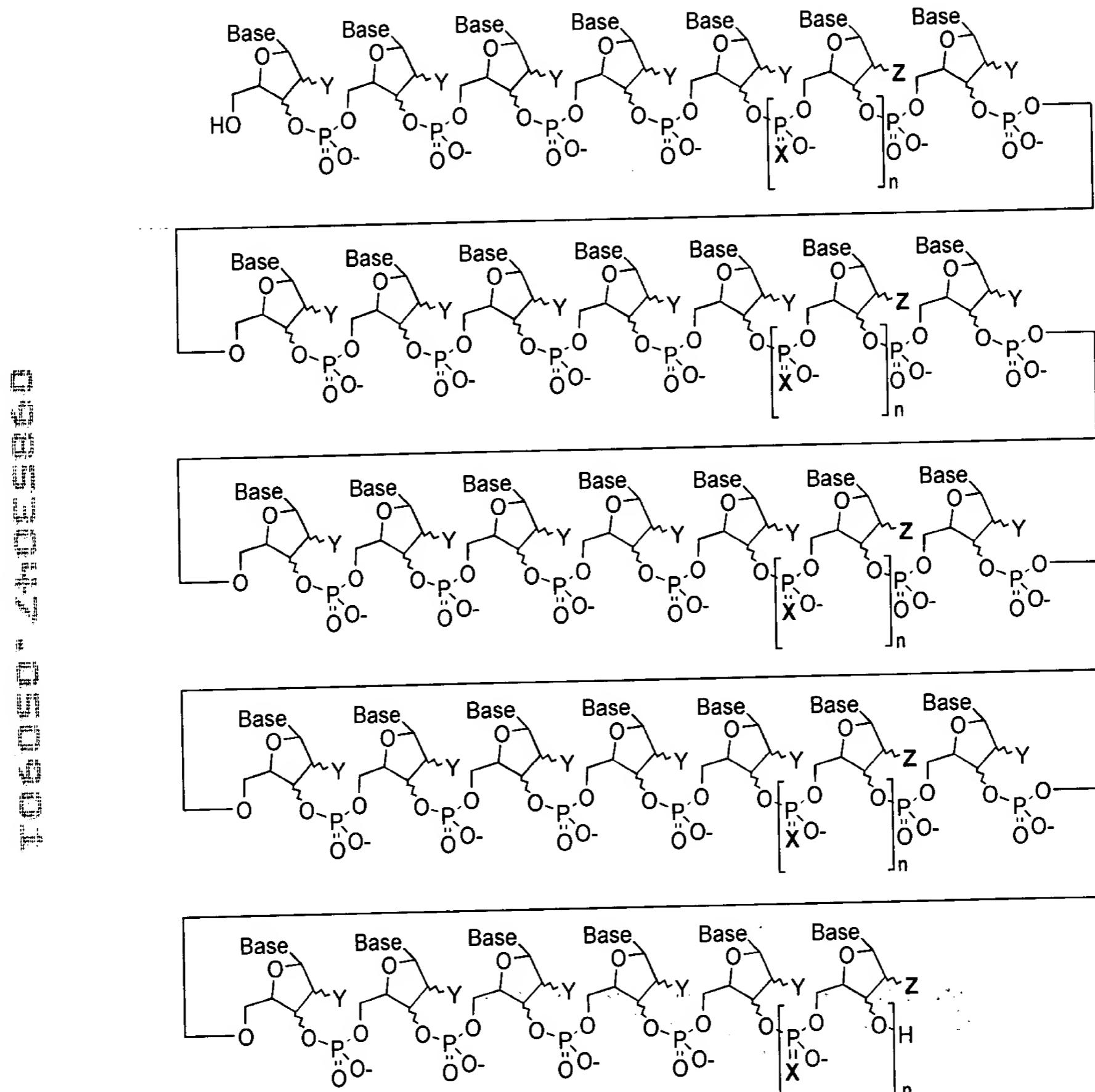
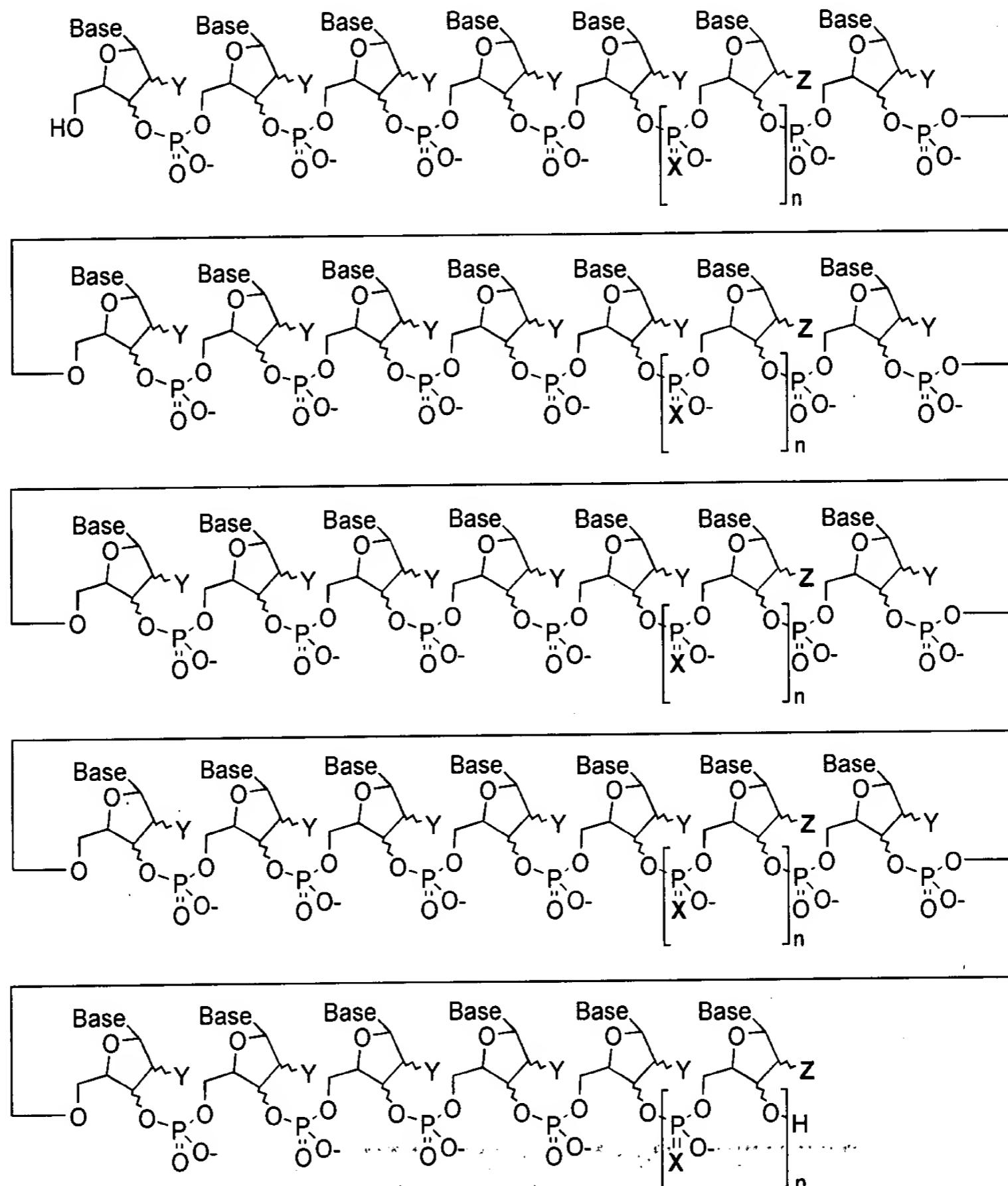
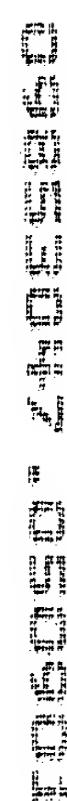
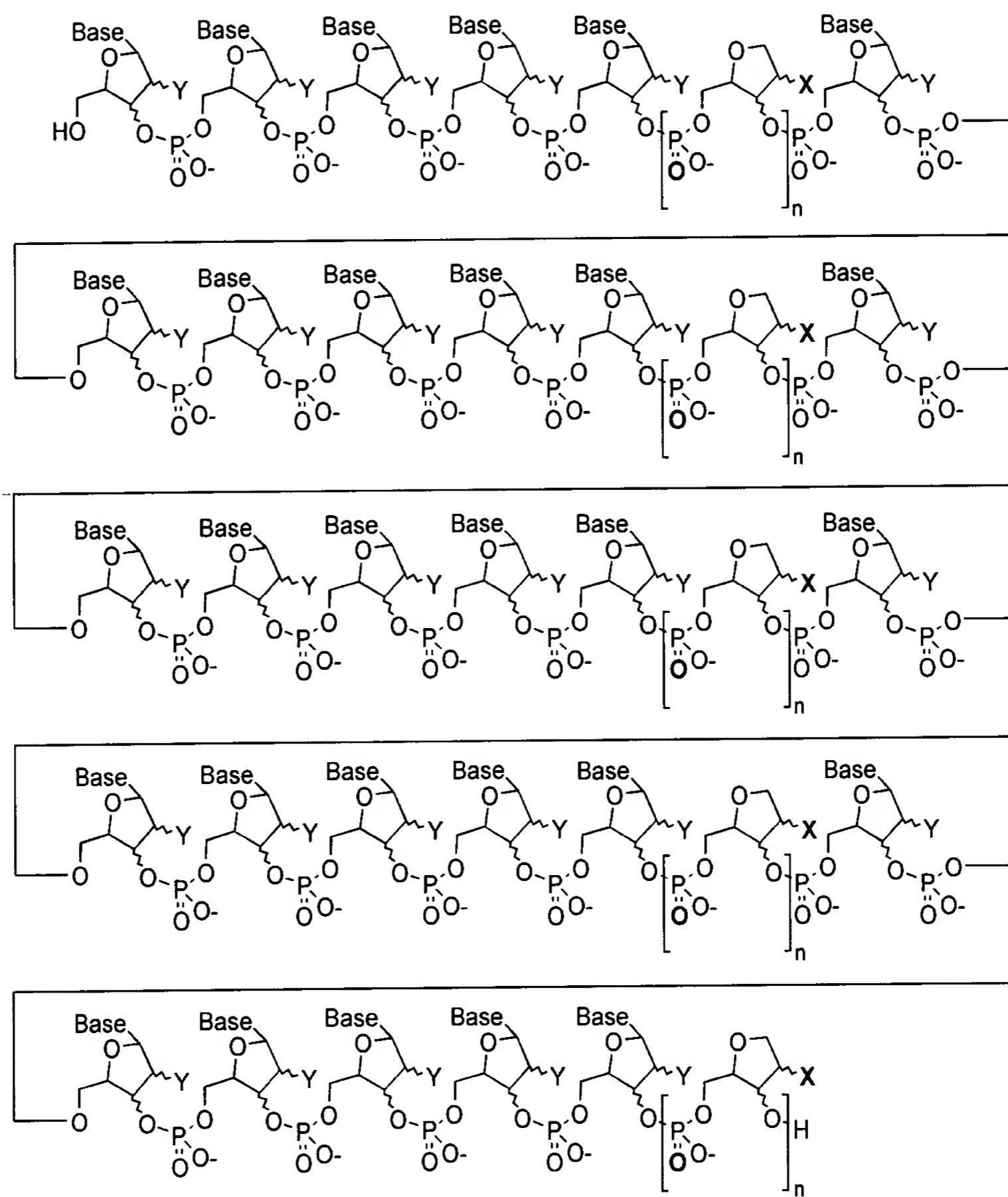


FIGURE 6



5FdUpO-5FdUpS 6 X = S Y = H Z = H Base = 5-Fluorouracil n = 1,2,3,4

FIGURE 7



Abasic	7	$X = \alpha\text{-OR}$	$Y = H$	Base = 5-Fluorouracil etc.	$n = 1, 2, 3, 4$
	8	$X = \alpha\text{-OR}$	$Y = \beta\text{-OH}$	Base = Cytosine	$n = 1, 2, 3, 4$
	9	$X = \alpha\text{-OR}$	$Y = \beta\text{-OH}$	Base = 2-F-Adenine	$n = 1, 2, 3, 4$
	10	$X = \alpha\text{-OR}$	$Y = H$	Base = 2-Cl-Adenine	$n = 1, 2, 3, 4$

R = Me, Et, iPr, allyl, alkyls (C₂-35) containing one or more O, N, S atom, methoxyethyl, dimethylaminoethyl,

FIGURE 8

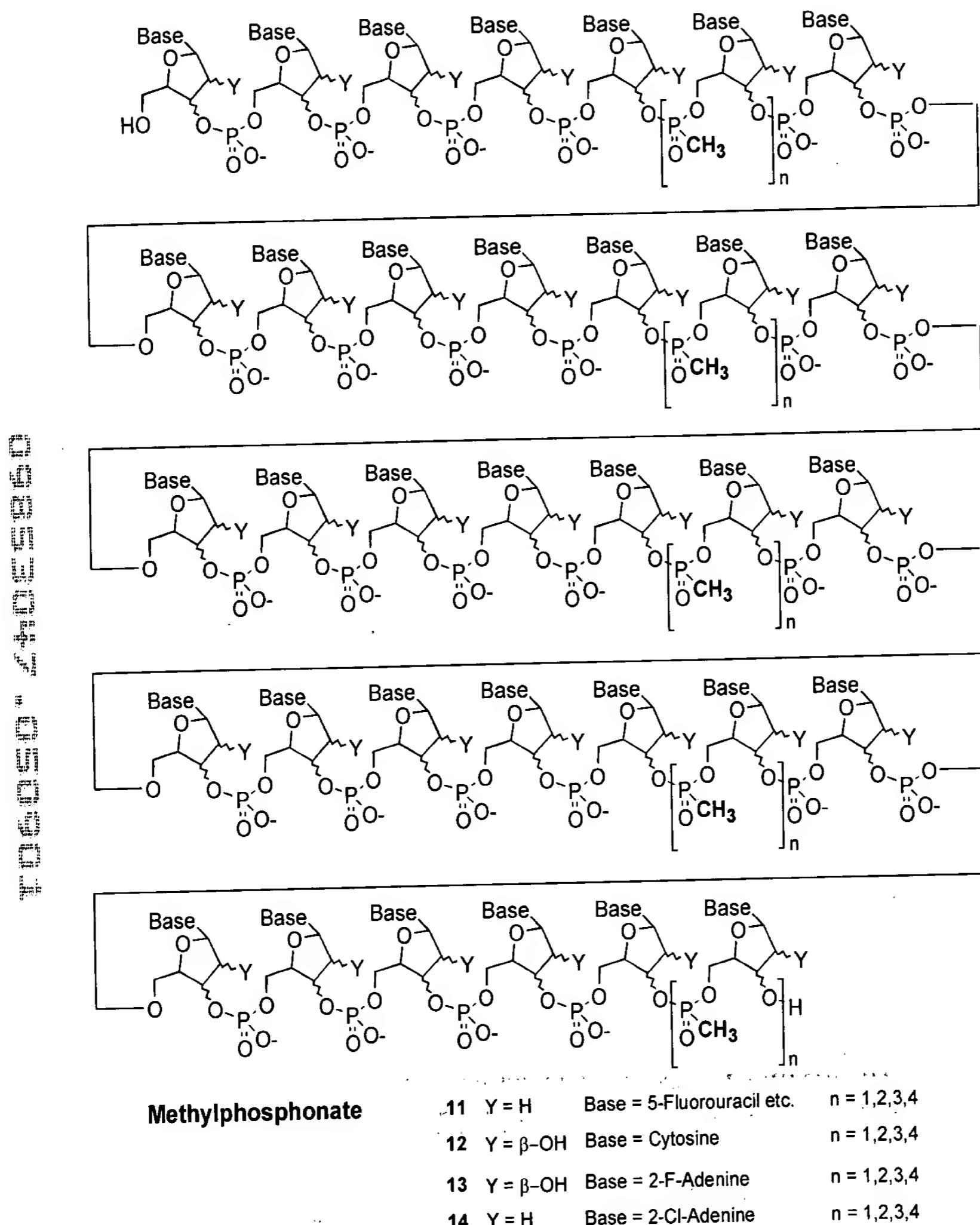


FIGURE 9

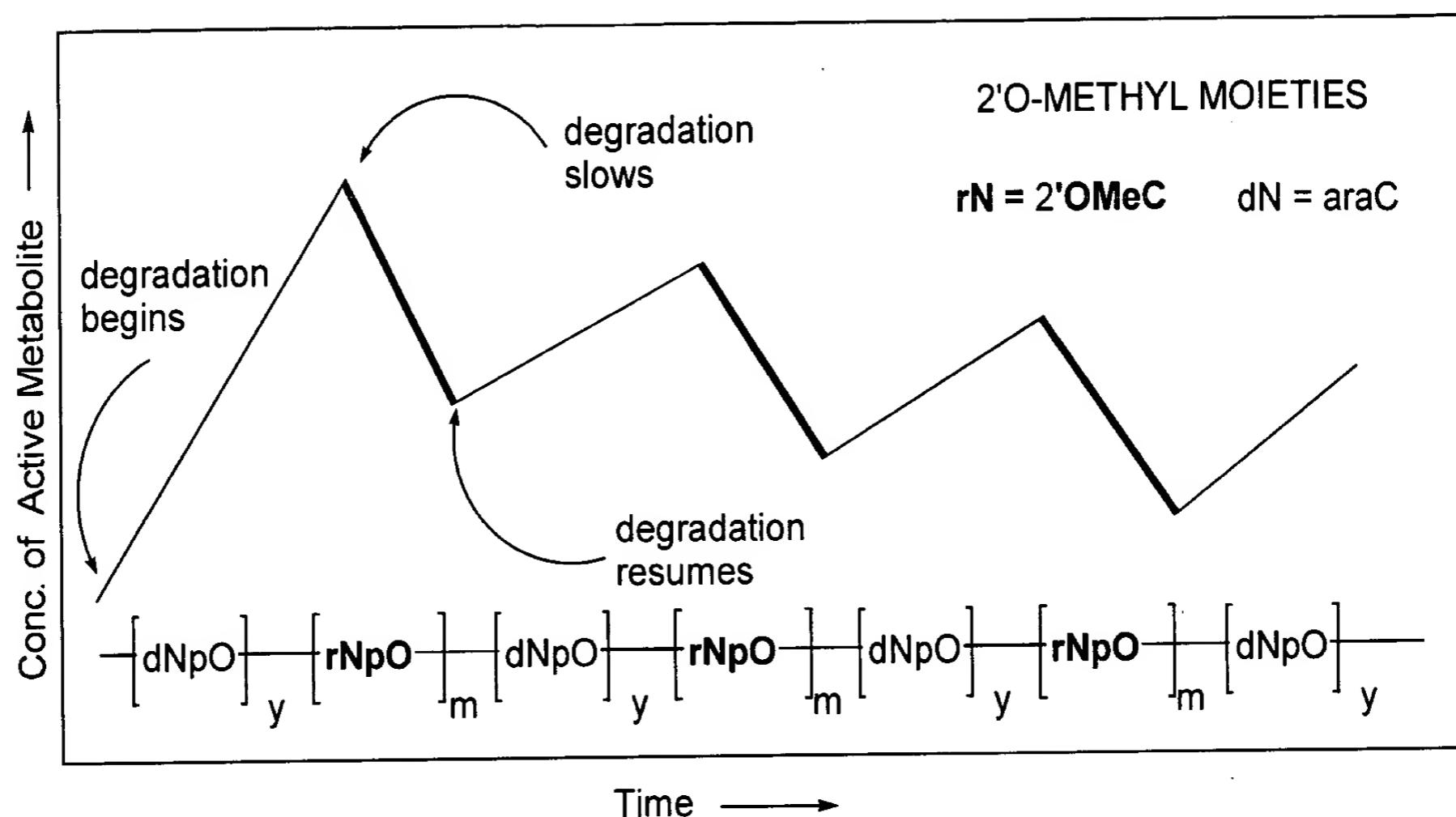


FIGURE 10

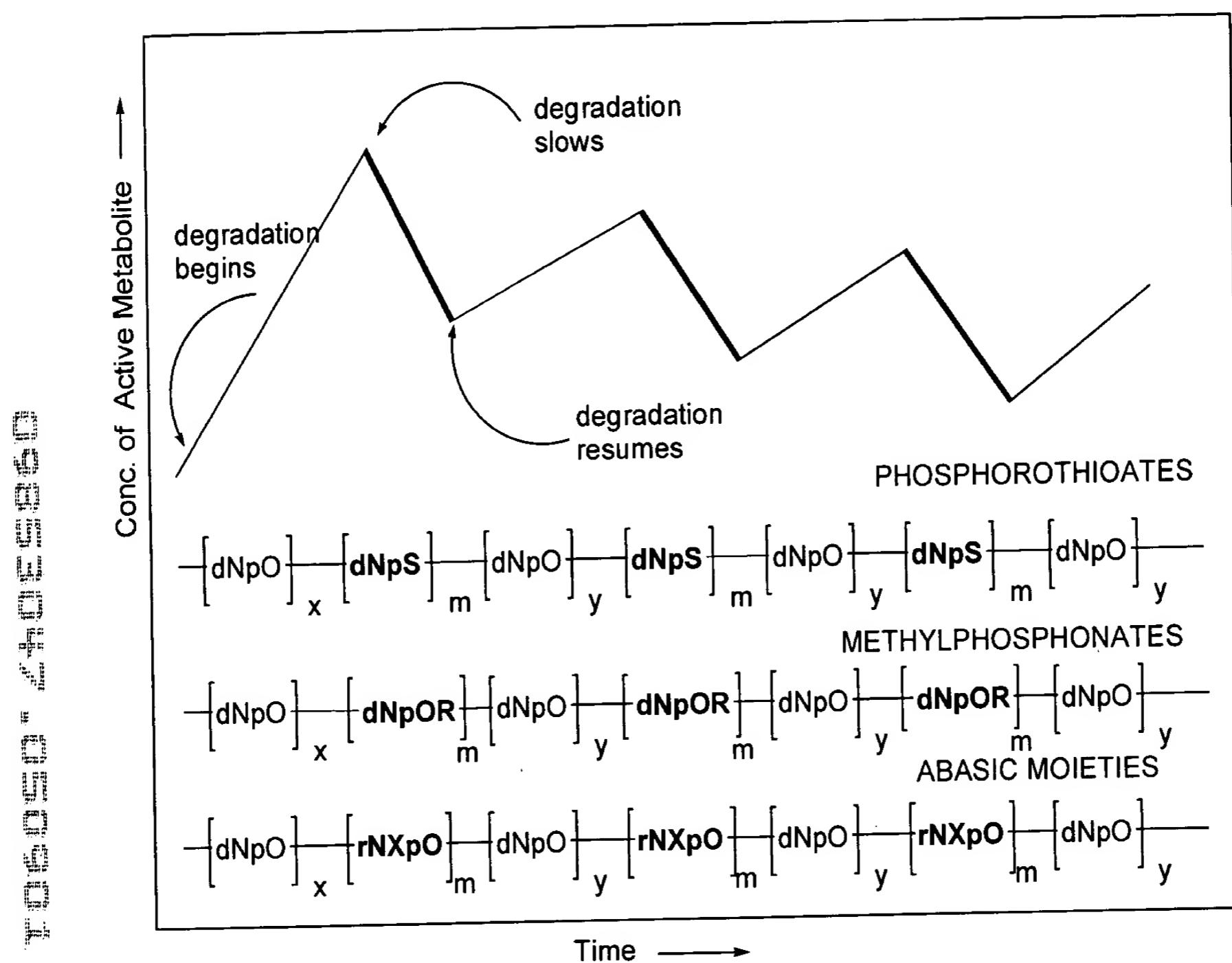
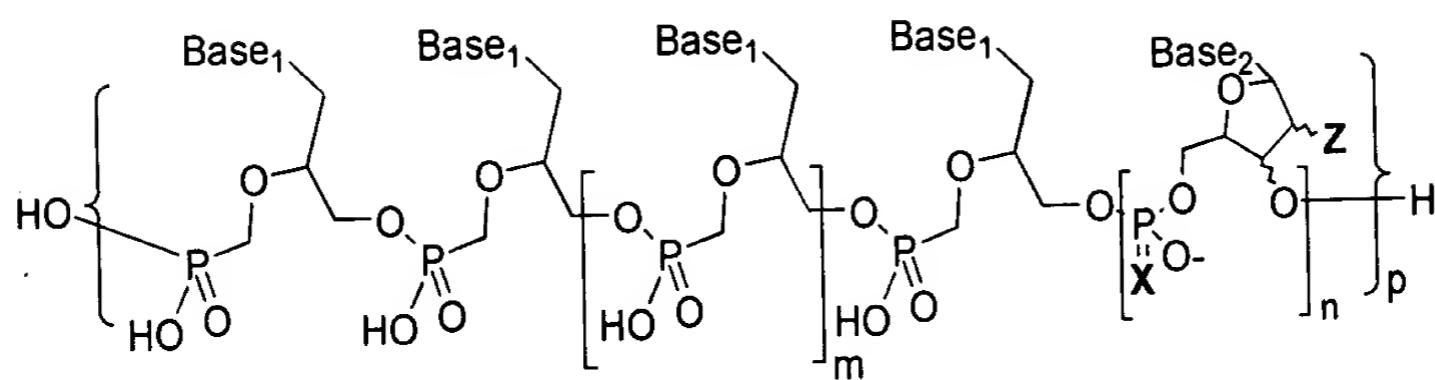


FIGURE 11



$X=O, S$ $Z=OR$ $m, n, p = 1-10$

$Base_1$ = cytosine, adenine, 2,6-diaminopurine

$Base_2$ = cytosine, adenine, 2,6-diaminopurine, guanine, uridine etc